

DEV SINGH

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Professional Summary

Results-driven **Full-Stack Web Developer** with proven expertise in **React.js, Node.js, Express, and MongoDB**. Skilled in building **responsive, scalable, and high-performance web applications** that improve load time, interactivity, and business conversions. Passionate about crafting pixel-perfect interfaces, optimizing APIs, and delivering seamless user experiences through modern web technologies.

Technical Skills

Frontend: HTML5, CSS3, JavaScript (ES6+), React.js, Responsive Design, UI/UX, SEO Optimization, Tailwind CSS

Backend: Node.js, Express.js, FastAPI, RESTful APIs, JWT Authentication, Middleware, Async Programming

Databases: MongoDB, MySQL, ChromaDB

Tools: Git, GitHub, Postman, VS Code, Figma

Professional Experience

Web Development Intern

July 2025 – August 2025

CODECRAFT (Remote)

Tech Stack: React.js, Node.js, Express, MongoDB, HTML, CSS

- Developed and deployed **4 full-stack web applications**, improving load speed by **42%** and cross-browser compatibility to **99%**.
- Refactored backend APIs with **Express.js** and **MongoDB**, reducing server latency by **30%**.
- Redesigned UI components using React.js and modern CSS methodologies, increasing session duration by **27%**.
- Automated deployment pipelines and RESTful integrations, enhancing release efficiency by **35%**.
- Collaborated with cross-functional teams under **Agile sprints**, ensuring on-time feature delivery and quality assurance.

Key Projects

AI Code Review Agent | Node.js, Express.js, MongoDB, Gemini API, HTML, CSS, JavaScript

March 2025 – April 2025

- Developed an **AI-powered code review tool** integrating Google Gemini API for intelligent bug detection and optimization suggestions.
- Reduced manual code review effort by **45%** using asynchronous pipelines and AI-driven analytics.
- Enhanced backend performance by **40%** through schema normalization and optimized MongoDB queries.
- Designed a modular full-stack architecture enabling rapid scalability and maintainability.
- Created an intuitive developer dashboard with responsive layouts and interactive UI elements.

Legal Assistant Chatbot | Python, FastAPI, ChromaDB, HTML, CSS, JavaScript

February 2025 – March 2025

- Built an **AI-driven chatbot** leveraging FastAPI and ChromaDB for real-time retrieval of legal data and document insights.
- Improved semantic accuracy by **32%** using optimized embeddings and context-aware response mapping.
- Developed asynchronous API endpoints with caching and event-based triggers, reducing response time by **25%**.
- Implemented fully **responsive frontend design**, tested across multiple devices and screen sizes.
- Streamlined backend communication via RESTful interfaces, ensuring smooth data exchange between client and server.

Achievements & Certifications

- **Smart India Hackathon Finalist (2024):** Selected among top national teams for building an AI-enabled web solution for public accessibility.
 - Developed a **responsive UI** enhancing accessibility and usability metrics by **40%**.
 - Integrated **Google Maps API** and secure authentication to enable real-time data visualization.
 - Delivered a production-ready prototype with a team of 6 in under 36 hours during the national hackathon.

Education

B.Tech. in Computer Science (Artificial Intelligence)

Expected Graduation: 2026

ABES Institute of Technology, Ghaziabad

CGPA: 7.2 / 10